UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7
25 FUNSTON ROAD
KANSAS CITY, KANSAS 66115

MEW
MOD980766952
6.3 EPA

DATE: APR 2 1991

MEMORANDUM

SUBJECT: Data Transmittal for Activity #: CS36R
Site Description: Missouri Electric Works

FROM: Andrea Jirka AJ
Chief, Laboratory Branch, ENSV

TO: Robert Morby
Chief, Superfund Branch, WSTM

ATTN: P. France - Isetts

Attached is the data transmittal for the above referenced site. These data have met all quality assurance requirements unless indicated otherwise in a data package. This should be considered a ___ Partial or X Complete data transmittal (completes transmittal of _____). If you have any questions or comments, please contact Dee Simmons at 236-3881.

Attachments

cc: Data Files

NOTE: Please see Mary Gerken, SPFD-WSTM, if you want an electronic copy of the data. #158424

DRAFT

FIELD SHEET

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV. 25 FUNSTON RD. KANSAS CITY, KS 66115

FY: 91 ACTNO: CS36R SAMNO: 001 QCC: _ MEDIA: WATER PL: S P F D

ACTIVITY DES: MISSOURI ELECTRIC WORKS REF LATITUDE: __ __ __
LOCATION: CAPE GIRARDEAU MO PROJECT NUM: A33 PT: LONGITUDE: __ __ __

SAMPLE DES: MW-11
LOCATION: CAPE GIRARDEAU MO
CASE/EATCH/SMC: _____/_/_____ LAB: ___
STORET/SAROAD NO: _____

	DATE	TIME	FROM REF PT
BEG:	~~02/05/91~~	10:13	EAST: ____
END:	03/01/91	__:__	NORTH: ____
			DOWN: ____

ANALYSIS REQUESTED:

CONTAINER	PRESERVATIVE	MGP	NAME
2 VOA VIALS	ICED	WV	VOLATILES 1013
GLASS	ICED	W24	PCB - G. BEEMONT 1016

COMMENTS: MW-11, 121 ft. depth,
Collected VOA at 1013, 3-1-91
Collected PCB at 1016, 3-1-91

SAMPLE COLLECTED BY : Paul F. Fehr

CHAIN OF CUSTODY RECORD
ENVIRONMENTAL PROTECTION AGENCY REGION VII

pr 3/4/91

1-3-91

ACTIVITY LEADER(Print)	NAME OF SURVEY OR ACTIVITY	DATE OF COLLECTION DAY / MONTH / YEAR	SHEET
	CAPE GIRARDEAU	4 / 3 / 91	1 of 1

CONTENTS OF SHIPMENT 8 oz.

SAMPLE NUMBER	TYPE OF CONTAINERS: CUBITAINER	BOTTLE	BOTTLE	BOTTLE	VOA SET (2 VIALS EA)	SAMPLED MEDIA: water	soil	sediment	dust	other	RECEIVING LABORATORY REMARKS OTHER INFORMATION (condition of samples upon receipt, other sample numbers, etc.)
	NUMBERS OF CONTAINERS PER SAMPLE NUMBER										
1-C536R-001					X (2)	X					VOA - MW-11 at 1013
1-C536R-001		X (1)				X					PCB - MW-11 at 1016

MEW Site File
Break6_000737

DESCRIPTION OF SHIPMENT

1 PIECE(S) CONSISTING OF _____ BOX(ES)

1 ICE CHEST(S); OTHER _____

MODE OF SHIPMENT

_____ COMMERCIAL CARRIER _____

_____ COURIER

✓ SAMPLER CONVEYED

_____ (SHIPPING DOCUMENT NUMBER)

PERSONNEL CUSTODY RECORD

RELINQUISHED BY (SAMPLER)	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
Paul J. Keller ☒ SEALED ☐ UNSEALED	3/4/91	11:00	Mark K. Robl ☑ SEALED 11:00 ☐ UNSEALED	Courier
RELINQUISHED BY ☐ SEALED ☐ UNSEALED	DATE	TIME	RECEIVED BY ☐ SEALED ☐ UNSEALED	REASON FOR CHANGE OF CUSTODY
RELINQUISHED BY ☐ SEALED ☐ UNSEALED	DATE	TIME	RECEIVED BY ☐ SEALED ☐ UNSEALED	REASON FOR CHANGE OF CUSTODY

7-EPA-9262(Revised 5/85)

TENTATIVELY IDENTIFIED COMPOUNDS

TITLE: MO. ELECTRIC
LAB: EPA
ANALYST/ENTRY: SBM
REVIEW LEVEL:

MATRIX: WATER
METHOD: 6241W00
REVIEWER: _____
DATA FILE : SBM

UNITS: UG/L
CASE:
DATE: 03/19/91

SAMPLE NO.	COMPOUND NAME	FRACTION	EST. CONCENTRATION
CS36R001			
	BENZENE, 1,2-DICHLORO-	VOA	180 J

* THIS IS A CRUDE ESTIMATION BASED ON RESPONSE RELATIVE TO AN INTERNAL STANDARD. AN AUTHENTIC STANDARD HAS NOT BEEN RUN.

** THE COMPOUNDS WERE IDENTIFIED USING A LIBRARY SEARCH ROUTINE. AUTHENTIC STANDARDS HAVE NOT BEEN ANALYZED TO VERIFY COMPOUND MASS SPECTRA AND RETENTION TIMES.

ANALYSIS REQUEST REPORT

VALIDATED DATA

FOR ACTIVITY: CS36R

S P F D

04/02/91 15:38:43

* FINAL REPORT

FY: 91 ACTIVITY: CS36R DESCRIPTION: MISSOURI ELECTRIC WORKS LOCATION: CAPE GIRARDEAU MISSOURI

STATUS: ACTIVE TYPE: SAMPLING - IN HOUSE ANALYSIS PROJECT: A33

LABO DUE DATE IS 4/ 3/91. REPORT DUE DATE IS 4/30/91.

INSPECTION DATE: 3/ 1/91 ALL DATA APPROVED BY LABO DATE: 04/02/91 FINAL REPORT TRANSMITTED DATE: 04/02/91

EXPECTED LABO TURNAROUND TIME IS 33 DAYS EXPECTED REPORT TURNAROUND TIME IS 60 DAYS

ACTUAL LABO TURNAROUND TIME IS 32 DAYS ACTUAL REPORT TURNAROUND TIME IS 32 DAYS

SAMP. NO.	QCC	M	DESCRIPTION	SAMPLE # STATUS	CONT.	CITY	STATE	AIRS/ STORET LOC NO	BEG. DATE	BEG. TIME	END. DATE	END. TIME
001		W	MW-11 SAMPLE LOCATION/MO. ELEC.WORKS	S 1	2	CAPE GIRARDEAU	MISSOURI		03/01/91	10:13	/ /	:

TABLE OF CODES

VALIDATED DATA

SAMP. NO. = SAMPLE IDENTIFICATION NUMBER
QCC = QUALITY CONTROL SAMPLE/AUDIT CODE
M = MEDIA OF SAMPLE (A=AIR, T=TISSUE, H=HAZARDOUS MATERIAL, S=SEDIMENT/SOIL, W=WATER)
AIRS/STORET LOC. NO. = A SAMPLING SITE LOCATION IDENTIFICATION NUMBER
BEG. DATE = THE DATE SAMPLING WAS STARTED
BEG. TIME = THE TIME SAMPLING WAS STARTED
END. DATE = THE DATE SAMPLING WAS ENDED
END. TIME = THE TIME SAMPLING WAS STOPPED
A = RESERVED
B = RESERVED
PES = PESTICIDES BY CONTRACT
= DIOXINS/FURANS BY EPA
E = EXPLOSIVES BY CONTRACT
FLD = FIELD MEASUREMENTS BY EPA
G = MINERALS & DISSOLVED MATERIALS BY EPA
HER = HERBICIDES BY EPA
I = ION CHROMATOGRAPHY ANALYSES BY EPA
MC = METALS BY CONTRACT
BNC = BASE NEUTRALS BY CONTRACT
L = FISH PHYSICAL DATA BY EPA
MET = METALS BY EPA
N = FISH TISSUE PARAMETERS BY EPA
VC = VOLATILES BY CONTRACT
P = PESTICIDES BY EPA
Q = FLASH POINT ANALYSES BY EPA
R = RESERVED
BN = SEMIVOLATILE BY EPA
T = CYANIDE PHENOL BY EPA
U = RESERVED
VOA = VOLATILE ORGANICS BY EPA
HC = HERBICIDES BY CONTRACT
X = RESERVED
Y = RESERVED
TRK = ACTIVITY TRACKING PARAMETERS BY EPA

STORET DETECTION IDENTIFIERS
BLANK = NO REMARKS
J = DATA REPORTED BUT NOT VALID BY APPROVED QC PROCEDURES
I = INVALID SAMPLE/DATA - VALUE NOT REPORTED
U = LESS THAN (MEASUREMENT DETECTION LIMIT)
M = DETECTED BUT BELOW THE LEVEL FOR ACCURATE QUANTIFICATION
O = PARAMETER NOT ANALYZED

CONTRACTOR/ IN HOUSE / FIELD MEDIA GROUPS
FIELD = * * * = AF,HF,SF,TF,WF,ZZ
CONTRACTOR = * = HA,HC,HJ,HK,HQ,SC,SJ,SK,SQ,SW,TC,TJ, TK,TQ,TW,WA,WC,WE,WJ,WK,WQ,WW
IN HOUSE = * = ALL OTHERS

QUALITY CONTROL AUDIT CODES
A = TRUE VALUE FOR CALIBRATION STANDARD
B = CONCENTRATION RESULTING FROM DUPLICATE LAB SPIKE
C = MEASURED VALUE FOR CALIBRATION STANDARD
D = MEASURED VALUE FOR FIELD DUPLICATE
F = MEASURED VALUE FOR FIELD BLANK
G = MEASURED VALUE FOR METHOD STANDARD
H = TRUE VALUE FOR METHOD STANDARD
K = CONCENTRATION RESULTING FROM DUPLICATE FIELD SPIKE
L = MEASURED VALUE FOR LAB DUPLICATE
M = MEASURED VALUE FOR LAB BLANK
N = MEASURED VALUE FOR DUPLICATE FIELD SPIKE
P = MEASURED VALUE FOR PERFORMANCE STANDARD
R = CONCENTRATION RESULTING FROM LAB SPIKE
S = MEASURED VALUE FOR LAB SPIKE
T = TRUE VALUE OF PERFORMANCE STANDARD
W = MEASURED VALUE FOR DUPLICATE LAB SPIKE
Y = MEASURED VALUE FOR FIELD SPIKE
Z = CONCENTRATION RESULTING FROM FIELD SPIKE

MEDIA CODES
A = AIR
T = BIOLOGICAL (PLANT & ANIMAL) TISSUE
H = HAZARDOUS MATERIALS/MAN MADE PRODUCTS
S = SEDIMENT, SLUDGE & SOIL
W = WATER

UNITS
NA = NOT APPLICABLE
PG = PICOGRAMS (1 X 10-12 GRAMS)
NG = NANOGRAMS (1 X 10-9 GRAMS)
UG = MICROGRAMS (1 X 10-6 GRAMS)
MG = MILLIGRAMS (1 X 10-3 GRAMS)
M3 = METER CUBED
MPH = MILES PER HOUR
SCM = STANDARD (1 ATM, 25 C) CUBIC METER
KG = KILOGRAM
L = LITER
C = CENTIGRADE DEGREES
SU = STANDARD (PH) UNITS
# = NUMBER
LB = POUNDS
IN = INCHES
M/F = MALE/FEMALE
M2 = SQUARE METER
I.D. = SPECIES IDENTIFICATION
GPM = GALLONS PER MINUTE
CFS = CUBIC FEET PER SECOND
MGD = MILLION GALLONS PER DAY
10000= FLOW, 1000 GALLONS PER COMPOSITE
UMHOS= CONDUCTIVITY UNITS (1/OHMS)
NTU = TURBIDITY UNITS
PC/L = PICO (1 X 10-12) CURRIES PER LITER
MV = MILLIVOLT
SQ FT= SQUARE FEET
P/CM2= PICOGRAMS PER SQ. CENTIMETER
U/CM2= MICROGRAMS PER SQ. CENTIMETER

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 1-CS36R VALIDATED DATA

COMPOUND	UNITS	001						
WP17 PCB-1016	UG/L	18	U					
WP18 PCB-1221	UG/L	15	U					
WP19 PCB-1232	UG/L	5.0	U					
WP20 PCB-1242	UG/L	18	U					
WP21 PCB-1248	UG/L	18	U					
WP22 PCB-1254	UG/L	20	U					
WP23 PCB-1260	UG/L	51						
WV03 CHLOROMETHANE	UG/L	10.	U					
WV04 BROMOMETHANE	UG/L	20.	U					
WV05 VINYL CHLORIDE	UG/L	15.	U					
WV06 CHLOROETHANE	UG/L	15.	U					
WV07 METHYLENE CHLORIDE	UG/L	10.	U					
WV08 1,1-DICHLOROETHENE	UG/L	5.0	U					
WV09 1,1-DICHLOROETHANE	UG/L	5.3						
WV10 1,2-DICHLOROETHENE, TOTAL	UG/L	26.						
WV11 CHLOROFORM	UG/L	11.						
WV12 1,2-DICHLOROETHANE	UG/L	5.0	U					
WV13 1,1,1-TRICHLOROETHANE	UG/L	5.0	U					
WV14 CARBON TETRACHLORIDE	UG/L	5.0	U					
WV15 BROMODICHLOROMETHANE	UG/L	5.0	U					
WV16 1,2-DICHLOROPROPANE	UG/L	5.0	U					
WV17 BENZENE	UG/L	5.0	U					
WV19 TRICHLOROETHENE	UG/L	5.9						
WV20 CIS-1,3-DICHLOROPROPENE	UG/L	5.0	U					
WV21 DIBROMOCHLOROMETHANE	UG/L	5.0	U					
WV22 1,1,2-TRICHLOROETHANE	UG/L	5.0	U					

ANALYSIS REQUEST DETAIL REPORT ACTIVITY: 1-CS36R VALIDATED DATA

COMPOUND	UNITS	001						
WV24 BROMOFORM	UG/L	5.0	U					
WV25 TETRACHLOROETHENE	UG/L	5.0	U					
WV26 TOLUENE	UG/L	5.0	U					
WV27 1,1,2,2-TETRACHLOROETHANE	UG/L	5.0	U					
WV28 CHLOROBENZENE	UG/L	75.						
WV29 ETHYL BENZENE	UG/L	5.0	U					
WV30 ACETONE	UG/L	18.	U					
WV31 CARBON DISULFIDE	UG/L	5.0	U					
WV32 2-BUTANONE	UG/L	10.	U					
WV33 VINYL ACETATE	UG/L	10.	U					
WV34 2-HEXANONE	UG/L	10.	U					
WV35 4-METHYL-2-PENTANONE	UG/L	10.	U					
WV36 STYRENE	UG/L	5.0	U					
WV37 XYLENES, TOTAL	UG/L	5.0	U					
WV40 TRANS-1,3-DICHLOROPROPENE	UG/L	5.0	U					
ZZ01 SAMPLE NUMBER	NA	001						
ZZ02 ACTIVITY CODE	NA	CS36R						

ACTIVITY CS36R MISSOURI ELECTRIC WORKS

THE PROJECT LEADER SHOULD CIRCLE ONE - STORET, AIRS, OR ARCHIVE.

CIRCLE ONE: STORET AIRS ARCHIVE

DATA APPROVED BY LABO FOR TRANSMISSION TO PROJECT LEADER ON 04/02/91 09:36:50 BY _____